

CLAIMS

1. A computer readable medium embodying a method for beam switching in a wireless communication system having at least one base station located within a cell which is divided into sector and sub-sector divisions, said base station configured to transmit fixed signal beams to the sub-sector divisions during transmission time slots, wherein one half of the signal beams are identified as odd and another half of the signal beams are identified as even with like identified beams not adjacently located, and one half of the time slots are identified as odd and another half of the time slots are identified as even, the method comprising:

executing a command for transmitting the odd identified beams only during odd identified time slots;

executing a command for transmitting the even identified beams only during even identified time slots; and

executing a command for receiving a data rate control message transmitted from a subscriber station on a reverse link during a reverse link transmission time slot having an identification antipodal to the identification of the time slot in which the subscriber station is receiving data on a forward link.

2. A computer readable medium embodying a method for beam switching in a wireless communication system having at least one base station located within a cell which is divided into sector and sub-sector divisions, said base station configured to transmit fixed signal beams to the sub-sector divisions during transmission time slots, wherein one half of the signal beams are identified as odd and another half of the signal beams are identified as even with like identified beams not adjacently located, and one half of the time slots are identified as odd and another half of the time slots are identified as even, the method comprising:

executing a command for transmitting the odd identified beams only during odd identified time slots; and

executing a command for transmitting the even identified beams only during even identified time slots, wherein the odd identified beams contain information identical to the information contained in the even identified beams.

3. A computer readable medium embodying a method for transmitting signals in a cell defined by alternating sections of first and second sets of sections, the method comprising:

- executing a command for transmitting the signals in the first set of sections in a first time slot when a data rate control message is received from a subscriber station during a first reverse link time slot; and

- executing a command for transmitting the signals in the second set of sections in a second time slot when a data rate control message is received from a subscriber station during a second reverse link time slot.

4. A computer readable medium embodying a method for transmitting signals in a cell defined by alternating sections of first and second sets of sections, the method comprising:

- executing a command for transmitting the signals in sections of the first set of sections in a first time slot; and

- executing a command for transmitting the signals in sections of the second set of sections in a second time slot, wherein the signals transmitted in the first set of sections contain information identical to the information transmitted in the second set of sections.